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PATENT

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In re: Patent application of :
Lewis A. Chodash *et al.* :
 : Group Art Unit: 1642
Serial No.: 10/032,254 :
 :
Filed: December 21, 2001 : Examiner:
 : Steven L. Rawlings
For: PREGNANCY UP-REGULATED, :
NONUBIQUITOUS CAM KINASE :

DECLARATION UNDER 37 C.F.R 1.132

We, Lewis A. Chodash and Heather P. Gardner, declare as follows:

1. I, Lewis A. Chodash, am a member of the faculty of the University of Pennsylvania School of Medicine, Department of Molecular and Cellular Engineering and Division of Endocrinology, Diabetes and Metabolism, the assignee of the above-identified patent application.

2. I, Heather P. Gardner, am a former graduate student in the Department of Molecular and Cellular Engineering at the University of Pennsylvania School of Medicine, the assignee of the above-identified patent application.

3. We, Lewis A. Chodash and Heather P. Gardner, are the only co-inventors of the patent application.

4. We are also the co-authors, with Jayant V. Rajan, Seung I. Ha, Neal G. Copeland, Debra J. Gilbert, Nancy A. Jenkins and Sandra T. Marquis, of the following

**CERTIFICATE OF EXPRESS MAILING
UNDER 37 C.F.R. 1.8(a)**

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage, as express mail (Label No. EV320479456US) addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313..

BY Debra A. Gilbert

DATE: May 12, 2005

publication, a copy of which is attached hereto: "Cloning, Characterization and Chromosomal Localization of *Pnck*, a CA^{2+} /Calmodulin Dependent Protein Kinase," *Genomics*, 63(2):279-288 (Jan. 15, 2000).

5. Jayant V. Rajan was a graduate student, and Seung I. Ha and Sandra T. Marquis were technicians in the Chodosh lab. Their work on this project was carried out under the supervision of Lewis A. Chodosh. Neal G. Copeland, Debra J. Gilbert, and Nancy A. Jenkins were employees of the National Institutes of Health and, at our request and direction, mapped the chromosomal location of the murine *Pnck* gene.

6. None of Rajan, Ha, Copeland, Gilbert, Jenkins or Marquis contributed to the conception of the invention claimed in the patent application.

We declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 4/11/05


LEWIS A. CHODOSH

Date: _____

HEATHER P. GARDNER



PATENT

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Date: _____

LEWIS A. CHODOSH

Date: 4-12-05



HEATHER P. GARDNER



Sequence Revision History

[PubMed](#)[Nucleotide](#)[Protein](#)[Genome](#)[Structure](#)[PMC](#)[Taxonomy](#)[OMIM](#)**Find** (*Accessions, GI numbers or Fasta style SeqIds*) [About Entrez](#)**Show**

difference between I and II as

[Entrez](#)

Revision history for 6525258

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LocusLink provides curated information for human, fruit fly, mouse, rat, and zebrafish

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| GI | Version | Update Date | Status | I | II |
|---------|---------|----------------------|--------|----------------------------------|----------------------------------|
| 6525258 | 1 | Jul 25 2002 12:44 PM | Live | <input checked="" type="radio"/> | <input type="radio"/> |
| 6525258 | 1 | Dec 6 1999 10:22 AM | Dead | <input type="radio"/> | <input checked="" type="radio"/> |

Accession AB023027 was first seen at NCBI on Dec 6 1999 10:22 AM

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Sequence Revision History

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Nucleotide

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Entrez

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LocusLink provides curated information for human, fruit fly, mouse, rat, and zebrafish

Query= gi|6525258|dbj|AB023027.1| Mus musculus mCaMK1-beta2 mRNA, complete cds
(1032 letters)

Help/FAQ

<gi|6525258|dbj|AB023027.1|AB023027 Mus musculus mCaMK1-beta2 mRNA, complete cds
Length = 1032

Batch Entrez: Upload a file of GI or accession numbers to retrieve protein or nucleotide sequences

Score = 2004 bits (1011), Expect = 0.0
Identities = 1025/1032 (99%)
Strand = Plus / Plus

Check sequence revision history

Query: 1 atgctgctgctcaagaaacagacggaggacatcagcagtgtctatgagatccggga
|||||
Sbjct: 1 atgctgctgctcaagaaacagacggaggacatcagcagtgtctatgagatccggga

How to create WWW links to Entrez

LinkOut

Query: 61 ctgggctcgggtgccttctctgaggtgatgctggcccaggaaaggggctctgctca
|||||
Sbjct: 61 ctgggctcgggtgccttctctgaggtgatgctggcccaggaaaggggctctgctca

Cubby

Related resources

Query: 121 gtggccctcaagtgcattccaagaaagcacttcggggcaaggaggccctggtgga
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Sbjct: 121 gtggccctcaagtgcattccaagaaagcacttcggggcaaggaggccctggtgga

BLAST

Reference sequence project

LocusLink

Query: 181 gagatcgcggtacttcgcagaatcagccatccaacattgtggctctggaggacgt
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Sbjct: 181 gagatcgcggtacttcgcagaatcagccatccaacattgtggctctggaggacgt

Clusters of orthologous groups

Protein reviews on the web

Query: 241 gagagtccttctcatctctacttggccatggagctggtaacaggtggtgaactgtt
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Sbjct: 241 gagagtccttctcatctctacttggccatggagctggtaacaggtggtgaactgttQuery: 301 cgcacatcatggagcggggctcctacacagagaaggacgccagccaccttgtagggca
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Sbjct: 301 cgcacatcatggagcggggctcctacacagagaaggacgccagccaccttgtagggcaQuery: 361 cttggcgctgtctcctaccttcatagcctgggcatcgtgcaccgggacctaagcc
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Sbjct: 961 gaggcctccaggcagtgtatgaccggtcatagccaccaggccttgggactagcca

Query: 1021 cccaagtgggtga 1032
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Sbjct: 1021 cccaagtgggtga 1032

Lambda K H
1.37 0.711 1.31

Gapped
Lambda K H
1.37 0.711 1.31

Matrix: blastn matrix:1 -3
Gap Penalties: Existence: 5, Extension: 2
Number of Hits to DB: 4
Number of Sequences: 0
Number of extensions: 4
Number of successful extensions: 4
Number of sequences better than 10.0: 1
Number of HSP's better than 10.0 without gapping: 1
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 0
Number of HSP's gapped (non-prelim): 1
length of query: 1032
length of database: 1032
effective HSP length: 9
effective length of query: 1023
effective length of database: 1023
effective search space: 1046529
effective search space used: 1046529
T: 0
A: 0
X1: 6 (11.9 bits)
X2: 15 (29.7 bits)
S1: 12 (24.3 bits)
S2: 9 (18.3 bits)

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